

CONVERSION FACTORS

For the convenience of readers who may prefer to use metric units, rather than the inch-pound terms used in this report, values may be converted by using the following factors:

<i>Multiply inch-pound unit</i>	<i>By</i>	<i>To obtain metric unit</i>
<u>Length</u>		
inch	25.4	millimeter
foot	0.3048	meter
mile	1.609	kilometer
<u>Area</u>		
acre	0.4047	hectare
square foot	0.0929	square meter
square mile	2.590	square kilometer
<u>Volume</u>		
gallon	3.785	liter
gallon	0.003785	cubic meter
cubic foot	28.32	liter
cubic foot	0.02832	cubic meter
million gallons	3,785.	cubic meter
<u>Velocity</u>		
feet per second	0.6818	mile per hour
feet per second	1.097	kilometer per hour
mile per hour	1.4767	feet per second
mile per hour	0.4470	meter per second
<u>Flow</u>		
gallon per minute	0.06309	liter per second
gallon per minute	0.00006309	cubic meter per second
inch per year	25.4	cubic meter per second
cubic foot per second	0.02832	cubic meter per second
cubic foot per second	28.32	liter per second
cubic foot per second	2,447.	cubic meter per day
<u>Hydrologic Information</u>		
1 cubic foot per second for 1 day	=	1.98 acre-foot
1 inch per hour of runoff from 1 acre	=	1 cubic foot per second
1 acre-foot	=	325,851 gallons